

## A B S T R A C T

A SYSTEM FOR ASSISTING THE REGENERATION OF DEPOLLUTION  
MEANS INCLUDED IN A MOTOR VEHICLE EXHAUST LINE

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This system for assisting the regeneration of  
depollution means (1) associated with oxidation catalyst-  
forming means (2) implementing an OSC function,  
constituting a supply of oxygen and integrated in an  
10 exhaust line (3) of a motor vehicle diesel engine (4), in  
which the engine is associated with common rail means (7)  
for feeding its cylinders with fuel, is characterized in  
that it comprises means (8) for analyzing the running  
conditions (9) of the vehicle and for comparing them with  
15 predetermined threshold values (10), to control the  
engine in a first regeneration mode of operation with a  
lean mixture (11) when running conditions are above the  
threshold values, or in a second regeneration operating  
mode implementing sequences in which engine operation  
20 alternates between stages of rich mixture operation and  
of lean mixture operation (12) when conditions are below  
the threshold values.

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Translation of the title and the abstract as they were when originally filed by the  
35 Applicant. No account has been taken of any changes that may have been made  
subsequently by the PCT Authorities acting ex officio, e.g. under PCT Rules 37.2,  
38.2, and/or 48.3.